

IN THE CLAIMS:

1. (Currently Amended) A protective film transfer sheet comprising a peelable support and a protective film formed on the support, wherein the protective film comprises a protective layer and an adhesive layer formed on the support in this order and the adhesive layer contains an ionizing radiation curable resin and a heat-reactive resin different from said ionizing radiation curable resin and has pressure-sensitive adhesiveness, the pressure-sensitive adhesiveness of the adhesive layer being increased by heat imparted after transfer onto the image surface of a photo mask, said adhesive layer being curable by exposure to ionizing radiation, wherein said heat-reactive resin is an acrylic copolymer of an acrylate or methacrylate monomer, as a first monomer, and a second monomer different from said first monomer and having a hydroxyl group, said heat-reactive resin having a weight average molecular weight of 50,000 - 2,000,000.
2. (Previously Presented) The protective film transfer sheet of claim 1, wherein the heat-reactive resin is included in the adhesive layer in an amount of 50-200 parts based on 100 parts by weight of the ionizing radiation curable resin.
3. (Cancelled)
4. (Cancelled)
5. (Currently Amended) The protective film transfer sheet of claim 1 ~~4~~, wherein the second monomer having a heat-reactive functional group is an N-methylol acrylamide monomer.

6. (Previously Presented) The protective film transfer sheet of claim 1, wherein the ionizing radiation curable resin consists of a paint obtained by mixing one or more kinds of photopolymerizable prepolymers or photopolymerizable monomers which can be crosslinked and cured by exposure to ionizing radiation, and at least one kind of the photopolymerizable prepolymers or photopolymerizable monomers has a hydroxy group.

7. (Cancelled).

8. (Previously Presented) The protective film transfer sheet of claim 1, wherein the thickness of the protective film is in the range of 1-20 μm .

9. (Previously Presented) The protective film transfer sheet of claim 8, wherein the thickness of the protective layer and adhesive layer is in the range 0.5-15 μm respectively.

10. (Cancelled).

11. (Cancelled).

12. (Cancelled).

13. (New) The protective film transfer sheet of claim 1 wherein said acrylic copolymer has a weight average molecular weight of 100,000 - 1,000,000.

14. (New) The protective film transfer sheet of claim 1 wherein said acrylic copolymer has a ratio of 1-25 parts by weight of said second monomer to 100 parts by weight of said first monomer.

15. (New) The protective film transfer sheet of claim 1 wherein said acrylic copolymer contains 5-15 weight parts of said second monomer to 100 parts by weight of said first monomer.